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> VIA Express Mail EV786328877US Docket Number 40404.30/tt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hiroshi OJI

Serial No.: Currently unknown

Filing or 371(c) Date: Concurrently herewith

Title: SEMICONDUCTOR DEVICE HAVING HIGH-K GATE DIELECTRIC LAYER AND METHOD FOR MANUFACTURING THE

SAME

International Application No.: PCT/JP2005/11260

International Filing Date:

June 20, 2005

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.56, and in recognition of his duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicant herewith submits the attached Form PTO-1449. Reference Nos. 1, 2, and 4-9 were cited in the attached International Search Report for PCT Application No. PCT/JP2005/11260.

The relevance of Reference No. 3 is discussed on page 1 of the substitute specification filed concurrently herewith.

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Information Disclosure Statement

March 21, 2006 Page 2 of 2 10572730 - GAU: 2818

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The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

Applicant respectfully requests that the cited references be made of record in the subject application.

Respectfully submitted,

Date: March 21, 2006

/Joseph R. Keating #37,368/ Attorney for Applicant(s)

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PTO/SB/08A (04-03)

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Substitute fo	r 10rm 1443/	FIU		Application Number	111/5/2/29		
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INFORMATION DISCLOSURE				First Named Inventor	Hiroshi OJI		
STATEMENT BY APPLICANT			PPLICANT	Art Unit	2818		
(Use as many	y sheets as ne	ecessary)	Examiner Name	Huynh		
Sheet	1	of	2	Attorney Docket Number	40404.30/tt		

U.S. PATENT DOCUMENTS							
Examiner	Cite	Document Number	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where		
Initiais*	No.1	Number-Kind Code ^{2(If known)}			Relevant Passages or Relevant Figures Appear		
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/AH/	2	5,589,410	12-1996	SATO et al.			

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Examiner Initiais*	Cite No.1	Foreign Patent Document Country Code ⁵ Number-Kind Code ⁸ (if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
/AH/	3	JP 2002-313950 (with English Abstract and machine translation)	10-2002	JAPAN		X
/AH/	4	JP 9-191108 (with English Abstract and machine translation)	07-1997	JAPAN		X
/AH/	5	JP 2-28971 (with English Abstract)	01-1990	JAPAN	·	X
/AH/	6	JP 3-276730 (with English Abstract)	12-1991	JAPAN		X
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/AH/	8	JP 5-183159 (with English Abstract and machine translation)	07-1993	JAPAN		X

Examiner		Date	
Signature	/Andy Huynh/ (12/24/2008)	Considered	

^{*}Examiner: initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant unique citation designation number (optional). See Kind Codes of USPTO Patent documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document by the two-letter code (WiPO Strandard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Abstract is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

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INFORMATION DISCLOSURE				First Named Inventor	Hiroshi OJI		
STAT	STATEMENT BY APPLICANT			Art Unit			
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Sheet	2	of	2	Attorney Docket Number	40404.30/tt		

NON PATENT LITERATURE DOCUMENTS						
Examiner initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title Of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
/AH/	9	ZHU et al.; "HfO ₂ and HfAIO for CMOS: Thermal Stability and Current Transport"; IEDM 2001; pp. 463-466.				
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Examiner		Date	
Signature	/Andy Huynh/ (12/24/2008)	Considered	

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¹ Applicant unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.